SOLIVIA 20 TL

High efficiency 3-phase solar inverters for the Australian market - Perfect choice for medium sized systems, such as those frequently used in the commercial or agricultural sectors

Versatile applications

- Aluminium housing ensures long lasting protection against moisture and corrosion
- Wide input voltage range
- Suitable for indoor and outdoor applications (IP65)

Maximum profitability

- Peak efficiency of 98 %
- Full output power up to 40 °C
- 2 MPP trackers
- 10 years standard guarantee

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20 kW transformerless solar inverters

Technical data SOLIVIA 20 TL

INPUT (DC)	SOLIVIA 20 EU G4 TL
Max. recommended PV power	25 kW_P
Nominal power	20.4 kW
Voltage range	250 ... 1000 V
Full power MPP range	350 ... 800 V
Max. current	60 A (30 A per MPP)
Max. number of MPP trackers	2

OUTPUT (AC)	
Nominal apparent power	20 kVA [1]
Voltage range	3 x 230 / 400 V (± 20 %) + N + PE (3 phases, 5 wires) [2]
Nominal current	29 A (per phase)
Nominal frequency	50 / 60 Hz
Frequency range	50 / 60 Hz ± 5 Hz [2]
Power factor adjustable	0.8 cap ... 0.8 ind
Total harmonic distortion (THD)	< 3 % @ nominal apparent power

GENERAL SPECIFICATION	
Model name	SOLIVIA 20 EU G4 TL
Part number Delta	EOE48010364
Max. efficiency	98 %
Efficiency EU	> 97.8 %
Operating temperature	-20 ... +60 °C
Full power without derating	-20 ... +40 °C
Storage temperature	-20 ... +70 °C
Humidity	0 ... 90 %
Max. operating altitude	2000 m (above sea level)

MECHANICAL DESIGN	
Size (L x W x D)	952 x 625 x 275 mm
Weight	67.2 kg
Cooling	Fan
AC connector	Amphenol C16/3
DC connector	4 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485
DC disconnector	Integrated
Display	Black/white graphical LCD

STANDARDS / DIRECTIVES	SOLIVIA 20 EU G4 TL
Protection degree	IP65 / IP55 [3]
Safety class	I
Configurable trip parameters	Yes
Insulation monitoring	Yes
Overload behavior	Current limitation; power limitation
Anti-islanding protection / Grid regulation	DIN VDE 0126-1-1; RD 661/2007; RD 1699/2011; CEI0-21; TERNA A70; UTE C15-712-1; Synergrid C10/11 (June 2012); EN 50438; G59/2; VDE-AR-N 4105; BDEW; AS 4777
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-11; EN61000-3-12; C-Tick
Safety	IEC62109-1 / -2; AS/NZS 3100

1) Cos Phi = 1 (VA = W)
2) AC voltage and frequency range will be programmed according to the individual country requirements.
3) IP65 for electronics / IP55 for cooling area

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